Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/30/2019 09:34 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124345	-1	1.20	124416	1.23
Blue	F	SSC	125000	123999	-1	1.64	124777	1.63
Blue	E	FITC	16122	15693	-3	2.65	342	19.51
Blue	D	PE	29316	28628	-3	1.85	626	14.22
Blue	B	PerCP-Cy5-5	42590	41675	-3	3.64	1124	20.19
Blue	A	PE-Cy7	33146	32734	-2	6.01	629	39.98
Red	C	APC	45473	44768	-2	2.43	1590	11.76
Red	A	APC-Cy7	31961	30906	-4	2.32	816	11.67
Violet	B	V450	7914	7458	-6	4.84	417	13.19
Violet	A	V500	29769	28656	-4	4.72	667	10.65

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20660	3.70	607	7	N/A	N/A	Pass
Blue	F	SSC	56378	1.16	553	15	N/A	N/A	Pass
Blue	E	FITC	61	65.09	540	3	0.0220	189	Pass
Blue	D	PE	130	49.42	542	5	0.1872	322	Pass
Blue	B	PerCP-Cy5-5	208	48.00	646	8	0.0090	18	Pass
Blue	A	PE-Cy7	115	102.05	698	7	0.0115	23	Pass
Red	C	APC	376	25.34	585	6	0.0268	243	Pass
Red	A	APC-Cy7	179	28.47	561	5	0.0060	1156	Pass
Violet	B	V450	63	59.30	465	5	0.0532	2040	Pass
Violet	A	V500	99	31.98	478	6	0.0229	533	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.20	-31.93	0.98
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	16.13	13.60 - 20.40	N/A	N/A	29.79	30.03	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10152

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments